# LITTLE COLORADO RIVER BASIN

### 09400590 RIO DE FLAG AT HIDDEN HOLLOW ROAD, AT FLAGSTAFF, AZ

LOCATION.--Lat 35°14'31", long 111°41'02", in SW$^1/_4$SW$^1/_4$ sec.32, T.22 N., R.7 E., Coconino County, Hydrologic Unit 15020015, at Hidden Hollow Road, 1.4 mi northwest of the Museum of Northern Arizona, and 3.4 mi northwest of downtown Flagstaff.

DRAINAGE AREA.--31.5 mi$^2$.

Annual peak discharges

| Water year | Date | Annual peak discharge (ft$^3$/s) | Discharge codes | Water year | Date | Annual peak discharge (ft$^3$/s) | Discharge codes |
|---|---|---|---|---|---|---|---|
| 1970 | 08-03-70 | 2.0 | ES | 1977 | 00-00-77 | 1.0 | LT |
| 1971 | 08-00-71 | 0.1 | LT | 1978 | 04-00-78 | 144 | |
| 1972 | 12-26-71 | 11 | | 1979 | 05-00-79 | 93 | |
| 1973 | 04-28-73 | 153 | | 1980 | 02-20-80 | 110 | |
| 1974 | 00-00-74 | 0 | | 1981 | 00-00-81 | 1.0 | ES |
| 1975 | 00-00-75 | 0 | | 1982 | 03-12-82 | 133 | |
| 1976 | 00-00-76 | 1.0 | LT | | | | |

Magnitude and probability of instantaneous peak flow based on period of record

| Discharge, in ft$^3$/s, for indicated recurrence interval in years, and exceedance probablility, in percent | | | | | |
|---|---|---|---|---|---|
| 2 50% | 5 20% | 10 10% | 25 4% | 50† 2% | 100† 1% |
| --- | --- | --- | --- | --- | --- |

Weighted skew  (logs) =   ---
Mean  (logs) =   ---
Standard dev.  (logs) =   ---

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

| Main channel slope (ft/mi) | Stream length (mi) | Mean basin elevation (ft) | Forested area (percent) | Soil index | Mean annual precipitation (in) | Rainfall intensity, 24-hour | |
|---|---|---|---|---|---|---|---|
| | | | | | | 2-year (in) | 50-year (in) |
| 129 | 8.1 | 8,130 | 78.0 | 3.0 | 25.4 | 2.3 | 4.5 |